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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/752,134	01/06/2004	Abbas A. Alahyari	10,665A	3921
30956 759 CARRIER CORP		EXAMINER		
ONE CARRIER PLACE INTELLECTUAL PROPERTY DEPARTMENT FARMINGTON, CT 06034			TAPOLCAI, WILLIAM E	
			ART UNIT	PAPER NUMBER
			3744	
SHORTENED STATUTORY F	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		01/31/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		NI_			
	Application No.	Applicant(s)			
Office Action Summan	10/752,134	ALAHYARI ET AL.			
Office Action Summary	Examiner	Art Unit			
	William E. Tapolcai	3744			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet wi	th the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period value of the provision of the	ATE OF THIS COMMUNIC 36(a). In no event, however, may a re will apply and will expire SIX (6) MON , cause the application to become AB	CATION. eply be timely filed THS from the mailing date of this communication. IANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 03 Au	<u>ugust 2006</u> .	•			
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL . 2b)⊠ This action is non-final.				
	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>1-4</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-4</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	r election requirement.				
Application Papers		·			
9) The specification is objected to by the Examine	r.	·			
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) ☐ The oath or declaration is objected to by the Ex	aminer. Note the attached	Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	priority under 35 U.S.C. §	119(a)-(d) or (f)			
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
		·			
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date.					
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application					
Paper No(s)/Mail Date 6) L. Other:					

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

- 2. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,357,767 to Roberts. Roberts discloses the claimed invention, including the discharge velocity of the second air stream SC or TC being 1.4 times greater than the discharge velocity of the first air stream PC.
- 3. Applicant's arguments filed August 3, 2006 have been fully considered but they are not persuasive. Roberts discloses that the primary air curtain PC can have a velocity in the range of 200-250 fpm. See column 9, lines 60-65. The secondary air curtain SC can have a velocity in the range of 250-300 fpm. See column 10, lines 8-11. Finally, the third air curtain TC is disclosed as having a velocity of about 300 fpm. Column 10, lines 12-13. Using just those velocities, and picking from random, say the air curtain PC is the equivalent of the claimed first air stream and the air curtain SC is the equivalent of the claimed second air stream, if the air curtain PC has a velocity of 200 fpm and the air curtain SC has a velocity of 280 fpm, the ratio of those two velocities is 1.4, which reads on the claimed ratio. On the other hand, if the air curtain PC has a velocity of 214 fpm and the air curtain TC has a velocity of 300 fpm, again the ratio of those two velocities is 1.4. So Roberts does indeed fully anticipate claim 1.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to William E. Tapolcai whose telephone number is (571) 272-4814. The examiner can normally be reached on Mon. - Thurs., 6:30 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl J. Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

William E. Tapolcai Primary Examiner Art Unit 3744

wet January 10, 2007